



**NOTES:**

1. 12" MINIMUM SQUARE PRECAST CONCRETE CATCH BASIN WITH EXTENSIONS AS REQUIRED. BOX DESIGN LOAD SHALL BE H-20 TRAFFIC RATED WITH A 12 INCH MINIMUM INSIDE MEASUREMENT.
2. CONCRETE SHALL BE 2500 PSI AFTER 28 DAYS.
3. WALLS AND FLOOR SHALL BE REINFORCED WITH 4X4X10 WELDED WIRE MESH. WALLS SHALL BE 4 INCH THICK, MINIMUM.
4. OVERALL MINIMUM WEIGHT SHALL BE 470 LBS.
5. EXTENSION, WHERE REQUIRED OR NEEDED, SHALL BE 12 INCH TALL REINFORCED CONCRETE.
6. RISERS, IF USED, SHALL HAVE A MINIMUM WEIGHT OF 140 LBS.
7. GRATE FRAME SHALL HAVE A MEASUREMENT OF 2"x1 1/2"x1/4" ANGLES AND 2"x3/8" SIDE BARS AND BE CAST INTO RISER OR CATCH BASIN.
8. CAST IRON GRATE SHALL BE H-20 TRAFFIC RATED, "ADA" WHEEL CHAIR PROOF, AND A MINIMUM OF 13 LBS. BANDING BARS SHALL BE AT BOTH ENDS, WITH 3/16" CROSS BARS AT 4" ON CENTER, TYP. BEARING BARS SHALL BE 3/16" AT 19/32" ON CENTER WITH 13/32" CLEAR, WITH CROSS BARS AT 4" ON CENTER.
9. GRATE TO BE LOCKED IN PLACE WITH (2) 3/8" DIAMETER STAINLESS STEEL VANDAL-PROOF BOLTS AS RECOMMENDED BY THE MANUFACTURER. FRAME AND GRATE SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION PER ASTM A-123-59.
10. SET DRAIN BOX 1/4 INTO 28"x28"x4" THICK CONCRETE BASE.
11. CORE OR KNOCK OUT CATCH BASIN AS REQUIRED TO ACCEPT DRAIN PIPES AND SEAL ALL CONNECTIONS.
12. FLOW LINE OF PIPE SHALL BE FLUSH WITH POURED IN PLACE CONCRETE BASE, IF POURED IN PLACE BASE IS USED.



SCALE: 1" = 1'-0"

**CITY OF FREMONT**  
**PARK STANDARD DETAILS**  
**PRE-CAST AREA DRAIN**  
**IN LANDSCAPING**

DATE APPROVED BY CITY COUNCIL  
December 13, 2011

RESOLUTION NO. 2011-65

SENIOR LANDSCAPE ARCHITECT

COMMUNITY SERVICES DIRECTOR

APR.	REVISED	DATE
REVISIONS		

FILE NO. PSD DR-9.DWG	SCALE 1" = 1'-0"	DRAWN TB	CHECKED RER	DATE 03/11/2011	DWG NO. PSD DR-9	1 OF 1
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